

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
328255US0PCT

MAR 25 2009

SERIAL NO.
09/129,758

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Rainer WALDMANN, et al.FILING DATE
August 5, 1998GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AF					
	AG					
	AH					
	AI					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AJ	H. P. RANG, et al. " Chemical Activation of Nociceptive Peripheral Neurones", British Medical Bulletin, vol. 47, No3, 1991, pages 534-548
	AK	Bernd LINDEMANN, "Taste Reception", Physiological Reviews, The American Physiological Society, Vol. 76, No.3, July 1996, pages 719-766
	AL	O. A. KRISHTAL, et al., "A Receptor for Protons in the Membrane of Sensory Neurons may Participate in Nociception", Neuroscience, vol. 6, No. 12, 1981, pages 2599-2601
	AM	Stuart BEVAN, et al., "Protons: Small Stimulants of Capsaicin-Sensitive Sensory Nerves", TINS, vol.17, No. 12, 1994, pages 509-512
	AM	Norio AKAIKE, et al., "Proton-Induced Sodium Current in Frog Isolated Dorsal Root Ganglion Cells", Journal of Neurophysiology, The American Physiological Society, vol. 63, No.4, April 1990, pages 805-813
	AO	Cecilia M. CANESSA, et al., "Epithelial Sodium Channel Related to Proteins Involved in Neurodegeneration", Nature, vol. 361, February 4, 1993, pages 467-470
	AP	Cecilia M. CANESSA, et al., "Amiloride-Sensitive Epithelial Na ⁺ Channel is Made of Three Homologous Subunits", Nature, Vol. 367, February 3, 1994, pages 463-467
	AQ	Eric LINGUEGLIA, et al., "Expression Cloning of an Epithelial Amiloride-Sensitive Na ⁺ Channel. A New Channel Type With Homologies to Caenorhabditis Elegans Degenerins", Federation of European Biochemical Societies, vol. 318, No.1, 1993, pages 95-99
	AR	Eric LINGUEGLIA, et al., "Different Homologous Subunits of the Amiloride-Sensitive Na ⁺ Channel Are Differently Regulated by Aldosterone", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 269, No.19, May 13, 1994, pages 13736-13739
	AS	Eric LINGUEGLIA, et al., "Cloning of the Amiloride-Sensitive FMRFamide Peptide-Gated Sodium Channel", Nature, Nature Publishing Group, vol. 378, December 14, 1995, pages 730-733
	AT	Rainer WALDMANN, et al., "Molecular Cloning and Functional Expression of a Novel Amiloride-Sensitive Na ⁺ Channel", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 270, No. 46, November 17, 1995, pages 27411-27414
	AU	Monica DRISCOLL, et al., "The Mec-4 Gene is a Member of a Family of Caenorhabditis Elegans Genes That can Mutate to Induce Neuronal Degeneration", Nature, vol. 349, February 14, 1991, pages 588-593
	AV	Mingxia HUANG, et al., "Gene Interactions Affecting Mechanosensory Transduction in Caenorhabditis Elegans", Nature, Nature Publishing Group, vol. 367, February 3, 1994, pages 467-470
	AW	Rainer WALDMANN, et al., " The Mammalian Degenerin MDEG, an Amiloride-Sensitive Cation Channel Activated by Mutations Causing Neurodegeneration in Caenorhabditis Elegans", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 271, No. 18, May 3, 1996, pages 10433-10436
	AX	Yu N. KOVALCHUK, et al., "The Proton-Activated Inward Current of Rat Sensory Neurons Includes a Calcium Component", Neuroscience Letters, Elsevier Scientific Publishers Ireland Ltd., vol. 115, 1990, pages 237-242
		<input checked="" type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 328255US0PCT		SERIAL NO. 09/129,758	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Rainer WALDMANN, et al.			
				FILING DATE August 5, 1998		GROUP 1646	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AY						
	AZ						
	BA						
	BB						
	BC						
	BD						
	BE						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	BF						
	BG						
	BH						
	BI						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	BJ	A. KONNERTH, et al., "Proton-Induced Transformation of Calcium Channel in Chick Dorsal Root Ganglion Cells", J. Physiol. vol. 386, 1987, pages 603-633					
	BK	N. W. DAVIES, et al., "Site and Mechanism of Activation of Proton-Induced Sodium Current in Chick Dorsal Root Ganglion Neurones", Journal of Physiology, vol. 400, 1988, pages 159-187					
	BJ	R. GRANTYN, et al., "Expression of Depolarizing Voltage and Transmitter-Activated Currents in Neuronal Precursor Cells from the Rat Brain is Preceded by a Proton-Activated Sodium Current", Developmental Brain Research, vol. 49, 1989, 150-155, pages 150-155					
	BM	Margaret P. PRICE, "Cloning and Expression of a Novel Human Brain Na ⁺ Channel", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 271, No. 14, April 5, 1996, pages 7879-7882					
	BN	Norio AKAIKE, et al., "Proton-Induced Current in Neuronal Cells", Progress in Neurobiology, Elsevier Science Ltd, XP-002068567, vol. 43, 1994, pages 73-83					
	BO	O. A. KRISHTAL, et al., "Rapid Extracellular pH Transients Related to Synaptic Transmission in Rat Hippocampal Slices", Brain Research, vol. 436, 1987, pages 352-356					
	BP	M. CHESLER, et al., "Modulation of pH by Neuronal Activity", TINS, Elsevier Science Publishers Ltd., vol. 15, No. 10, 1992, pages 396-402					
	BQ	Stuart BEVAN, et al., "Protons Activate a Cation Conductance in a Sub-Population of Rat Dorsal Root Ganglion Neurones", Journal of Physiology, vol. 433, 1991, pages 145-161					
	BR	C. LEWIS, et al., "Coexpression of P2X ₂ and P2X ₃ Receptor Subunits can Account for ATP-Gated Currents in Sensory Neurons", Nature, vol. 377, October 5, 1995, pages 432-435					
	BS	Eric A. BARNARD, et al., "The Transmitter-Gated Channels: a Range of Receptor Types and Structures", Trends Pharmacol. Sci., Elsevier Science Ltd., vol. 17, 1996, pages 305-309					
	BT	Yukio OKADA, et al., "Activation of a Cation Conductance by Acetic Acid in taste Cells Isolated From the Bullfrog", J. Exp. Biol., vol. 187, 1994, pages 19-32					
	BU	Jingdong LIU, et al., "Interaction Between a Putative Mechanosensory Membrane Channel and a Collagen", Science, vol. 273, July 19, 1996, pages 361-364					
	BV	Rainer WALDMANN, et al., "Functional Degenerin-Containing Chimeras Identify Residues Essential for Amiloride-Sensitive Na ⁺ Channel Function", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 270, No. 20, May 19, 1995, pages 11735-11737					<input checked="" type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 328255US0PCT		SERIAL NO. 09/129,758	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Rainer WALDMANN, et al.			
				FILING DATE August 5, 1998		GROUP 1646	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	BW						
	BX						
	BY						
	CZ						
FOREIGN PATENT DOCUMENTS							
	CA	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	CB						
	CC						
	CD						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	CE	Stéphane RENARD, et al., "Biochemical Analysis of the Membrane Topology of the Amiloride-Sensitive Na ⁺ Channel", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 269, No. 17, April 29, 1994, pages 12981-12986					
	CF	Peter W. REEH, et al., "Tissue Acidosis in Nociception and Pain", Progress in Brain Research, vol. 113, 1996, pages 143-151					
	CG	Kay H. STEEN, et al., "Inflammatory Mediators Potentiate Pain Induced by Experimental Tissue Acidosis", Pain, vol. 66, 1996, pages 163-170					
	CH	Kay H. STEEN, et al., "Pain Due to Experimental Acidosis in Human Skin: Evidence for Non-Adapting Nociceptor Excitation" Neuroscience Letters, vol. 199, 1995, pages 29-32					
	CI	Kay H. STEEN, et al., "Protons Selectively Induce Lasting Excitation and Sensitization to Mechanical Stimulation of Nociceptors in Rat Skin, in Vitro", The Journal of Neuroscience, vol. 12, January 1992, pages 86-95					
	CJ	Thomas K. BAUMANN, et al., "Responses of Adult Human Dorsal Root Ganglion Neurons in Culture to Capsaicin and Low pH", Pain, Elsevier Science B.V., vol. 65, 1969, pages 31-38,					
	CK	Mark E. Jurman, et al., "Visual Identification of Individual Transfected cells for Electrophysiology Using Antibody-Coated Beads", Bio techniques, vol. 17, No. 5, 1994, 6 pages					
	CL	Timothy A. GILBERTSON, et al., "Proton Currents Through Amiloride-Sensitive Na ⁺ Channels in Isolated Hamster Taste Cells: Enhancement by Vasopressin and cAMP", Neuron, XP-002068540, vol. 10, May 1993, pages 931-942					
	CM	Marra M. et al., "The WashU-HHMI Mouse EST Project", XP-002068546, Accession number w62694, June 9, 1996, 2 pages					
	CN	Pascal BARBRY et al., "Molecular biology of Na ⁺ Absorption", The American Physiological Society, XP-002068545, vol. 273, 1997, pages 571-585					
	CO	David P. COREY et al., "Mechanosensation and the DEG/ENaC Ion Channels", Science, XP 002051360, vol. 273, July 19, 1996, pages 323-324					
	CP	Jaime GARCIA-ANOVEROS, et al., "BNaC1 and BNaC2 Constitute a New Family of Human Neuronal Sodium Channels Related to Degenerins and Epithelial Sodium Channels", Proceedings of the National Academy of Sciences of USA, XP 002051359, vol. 94, No. 4, pages 1459-1464					
	CQ	Rainer WALDMANN, et al., "A proton-Gated Cation Channel Involved in acid-sensing", Nature, XP002068589, vol. 386, March 13, 1997, pages 173-177					
	CR	Eric LINGUEGLIA, et al., "A Modulatory Subunit of Acid Sensing Ion Channels in Brain and Dorsal Root Ganglion Cells", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 272, No. 47, November 21, 1997, pages 29778-29783					
	CS	Frederic BASSILANA, et al., "The Acid-Sensitive Ionic Channel Subunit ASIC and the Mammalian Degenerin MDEG Form a Heteromultimeric H ⁺ -Gated Na ⁺ Channel with Novel Properties", The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., vol. 272, No. 46, November 14, 1997, pages 28819-28822					<input type="checkbox"/> Additional References sheet(s) attached
Examiner							
Date Considered							
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							